

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/01853

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/56 C12N9/14 C12N9/16 C12N9/24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | A. TIEDTKE: "Purification and properties of secreted N acetyl-beta-D Hexosaminidase EC-3.2.1.52 of Tetrahymena-thermophila" COMP. BIOCHEM. PHYSIOL. B COMP. BIOCHEM., vol. 75B, no. 2, 1983, pages 239-244, XP000876572            | 1-4,6                 |
| Y          | PERGAMON, NEW YORK, US<br>the whole document   | 1-4,6                 |
| X          | P. HÜNSELER ET AL.: "Biosynthesis of secreted beta-hexosaminidase in Tetrahymena thermophila. A comparison of the wild type with a secretory mutant" BIOCHEM. J., vol. 252, no. 3, June 1988 (1988-06), pages 837-842, XP000876565 | 1-4,6                 |
| Y          | THE BIOCHEM. SOCIETY, LONDON, UK<br>the whole document   | 1-4,6                 |
|            | -/-  |                       |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

16 June 2000

Date of mailing of the international search report

29/06/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Hornig, H

# INTERNATIONAL SEARCH REPORT

Inter. Appl. Application No.

PCT/EP 00/01853

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | <p>T. KIY ET AL.: "Three pools of lysosomal enzymes in Tetrahymena thermophila"<br/>EXPRIMENTAL CELL RESEARCH,<br/>vol. 205, no. 2, April 1993 (1993-04),<br/>pages 286-292, XP000876578<br/>ACADEMIC PRESS INC., NEW YORK, US<br/>the whole document</p> <p>---</p>   |                       |
| A          | <p>L. RASMUSSEN ET AL.: "Differential increase in activity of acid phosphatase induced by phosphatase starvation in Tetrahymena"<br/>EXPRIMENTAL CELL RESEARCH,<br/>vol. 201, no. 2, August 1992 (1992-08),<br/>pages 522-525, XP000876580<br/>ACADEMIC PRESS INC., NEW YORK, US<br/>the whole document</p> <p>---</p>   |                       |
| A          | <p>T. KIY AND A. TIEDTKE: "Lysosomal enzymes produced by immobilized Tetrahymena thermophila"<br/>APPLIED MICROBIOL. AND BIOTECHNOL.,<br/>vol. 35, no. 1, April 1991 (1991-04),<br/>pages 14-18, XP000876574<br/>SPRINGER INTERNATIONAL, NEW YORK, US<br/>the whole document</p> <p>---</p>  |                       |
| A          | <p>M. BENCSATH ET AL.: "The effect of an electric field on the release of hexosaminidase in Tetrahymena"<br/>MICROBIOS,<br/>vol. 74, no. 301, 1992, pages 227-232,<br/>XP000876567<br/>FACULTY PRESS, CAMBRIDGE, UK<br/>the whole document</p> <p>---</p>  |                       |
| A          | <p>Y. BANNO ET AL.: "Secretion heterogeneity of lysosomal enzymes in Tetrahymena pyriformis"<br/>EXPRIMENTAL CELL RESEARCH,<br/>vol. 170, no. 2, June 1987 (1987-06),<br/>pages 259-268, XP000876571<br/>ACADEMIC PRESS INC., NEW YORK, US<br/>the whole document</p> <p>---</p>   |                       |
| A          | <p>P.H. ANDREASEN ET AL.: "Unusual ciliate-specific codons in Tetrahymena mRNA are translated correctly in a rabbit reticulocyte lysate supplemented with a subcellular fraction from Tetrahymena"<br/>BIOCHEM. J.,<br/>vol. 244, no. 2, June 1987 (1987-06),<br/>pages 31-335, XP000876564<br/>THE BIOCHEM. SOCIETY, LONDON, UK<br/>the whole document</p> <p>-----</p> |                       |